SQL Server 2005 Express Install Instruction for IDAttend

Important Note

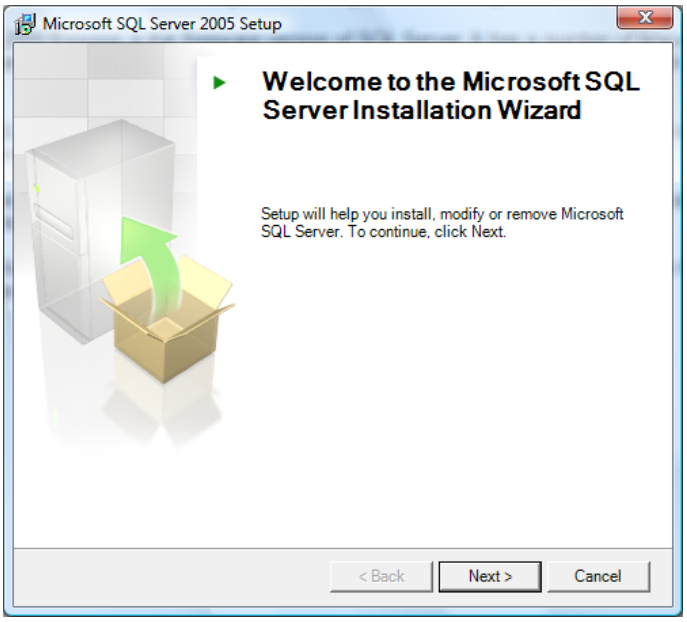
If updating your IDAttend Server that has SQL Server on it and you are using and Express version, then it is more than likely that the database files are on the C Drive of the server.
Please copy all of the IDAttendxxxx.MDF and IDAttendxxxx.LDF files to a safe location before formatting or decommissioning the server.
You may need to stop the SQL Server Service to do this.
In IDAttend under Tools/Data Locations the existing location on the server of the current database is shown in blue.

IDAttend SQL Server 2005 Express Setup

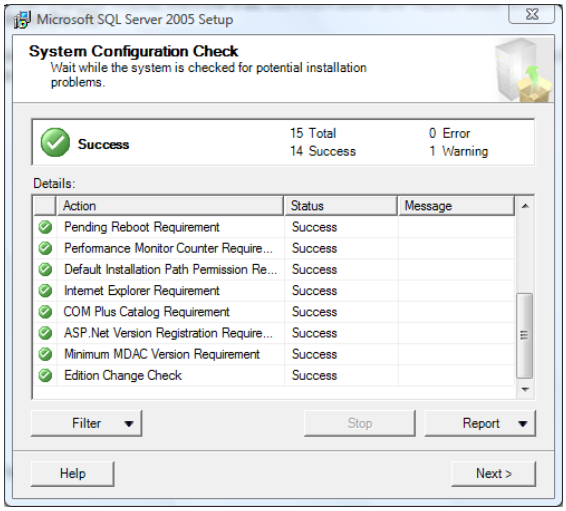
If using SQL Server 2005 Express it is the freeware version of SQL Server. It has a number of limitations and while it is better than using an Access database for IDAttend it is not a real substitute for the full version of SQL Server.
To install SQL Server you must be logged onto the server where SQL Server is to be installed with full administrator rights. In QLD schools this will be an Orange Card login on the Member Server (normally). If installing on a DC in a QLD school the Regional Sys Tech will need to be logged in.

Please follow these instructions exactly. You may not get a second chance...
You must first run SQLEXPR.EXE from the SQL SERVER 2005 EXPRESS folder on IDAttend CD or the IDAttend folder on the CD.

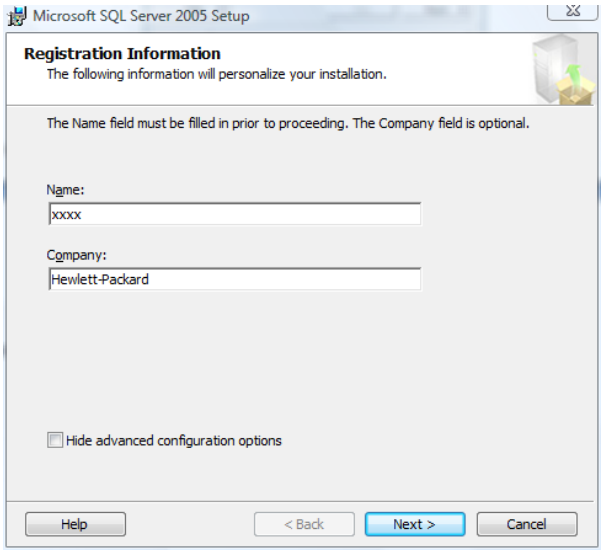
Once the install program is launched you need to accept the Licence Agreement click the **Install** button on the Installing Prerequisites screen.


Microsoft SQL Server 2005 Setup
Welcome to the Microsoft SQL Server Installation Wizard
Setup will help you install, modify or remove Microsoft SQL Server. To continue, click Next.
< Back
Next >
Cancel

Next you will see the Installation Wizard screen. Click the **Next** button.
Next SQL Server will check if it can be installed on the server.
Check any warning messages to see if they are a valid concern. Any Errors will generally mean SQL Server will not install.



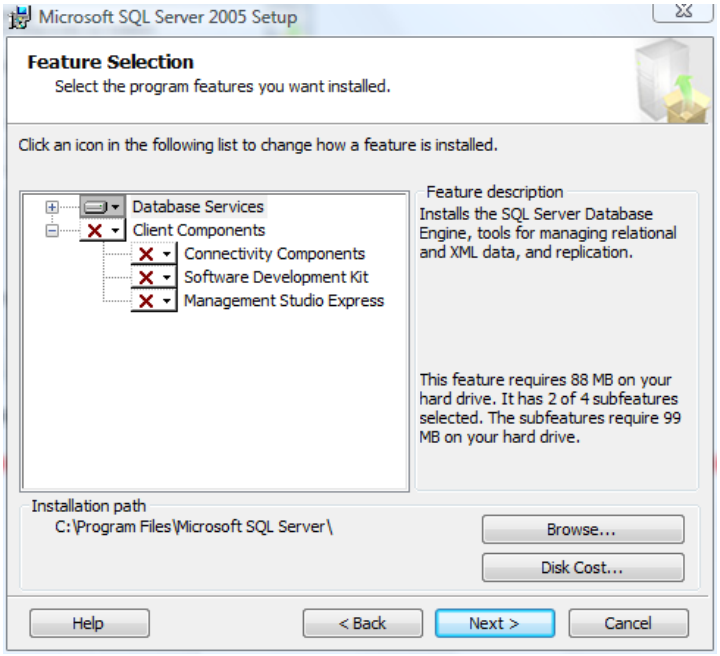
Common errors are incorrect OS or service pack level.



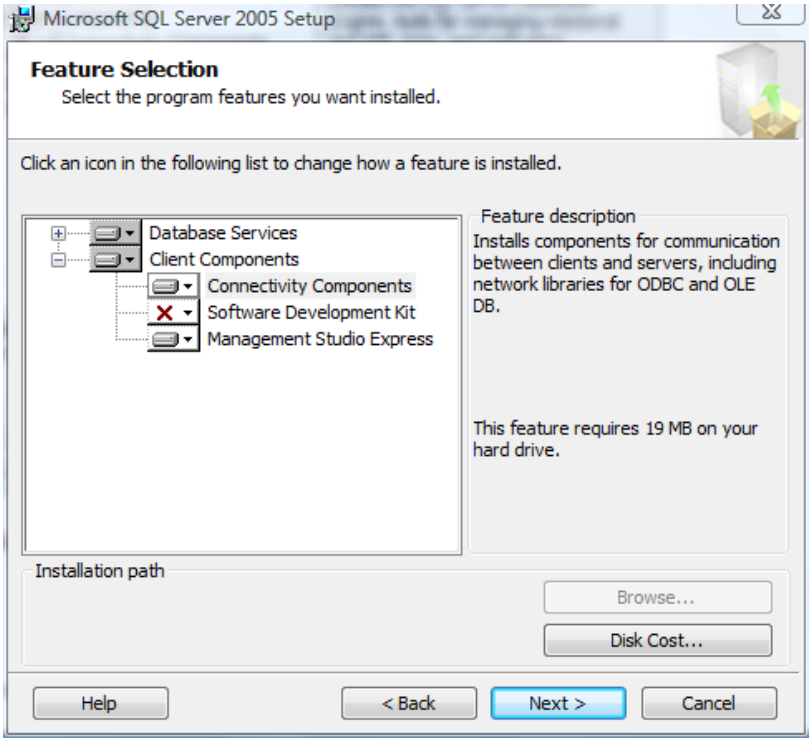
The next screen will contain the Registration Information.

It is important that the Hide advanced configuration options in UN-TICKED at this time.

Click Next button


Microsoft SQL Server 2005 Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Database Services
Client Components
Connectivity Components
Software Development Kit
Management Studio Express
Feature description
Installs the SQL Server Database Engine, tools for managing relational and XML data, and replication.
This feature requires 88 MB on your hard drive. It has 2 of 4 subfeatures selected. The subfeatures require 99 MB on your hard drive.
Installation path
C:\Program Files\Microsoft SQL Server\
Browse...
Disk Cost...
Help
< Back
Next >
Cancel

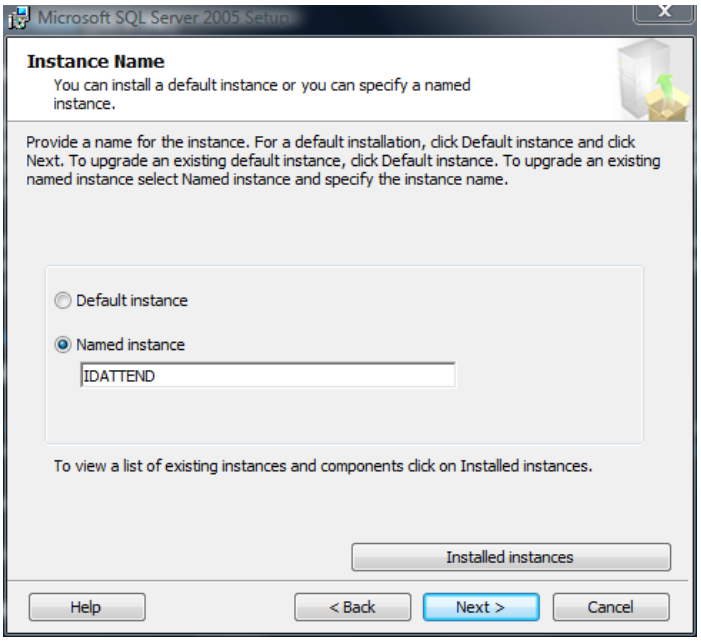
Next the Feature Selection screen will be displayed.
It is important that you select **Will Be Installed On Local Hard Drive** for **Connectivity Components** and Management Studio Express (if you install has this option). There is no need to install the **Software Development Kit**.


Microsoft SQL Server 2005 Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Database Services
Client Components
Connectivity Components
Software Development Kit
Management Studio Express
Feature description
Installs components for communication between clients and servers, including network libraries for ODBC and OLE DB.
This feature requires 19 MB on your hard drive.
Installation path
Browse...
Disk Cost...
Help
< Back
Next >
Cancel

Click the **Next** button.

The next screen will display the Instance Name screen. This screen will only be displayed if you un-ticked the **Hide advanced configuration options mentioned earlier.**

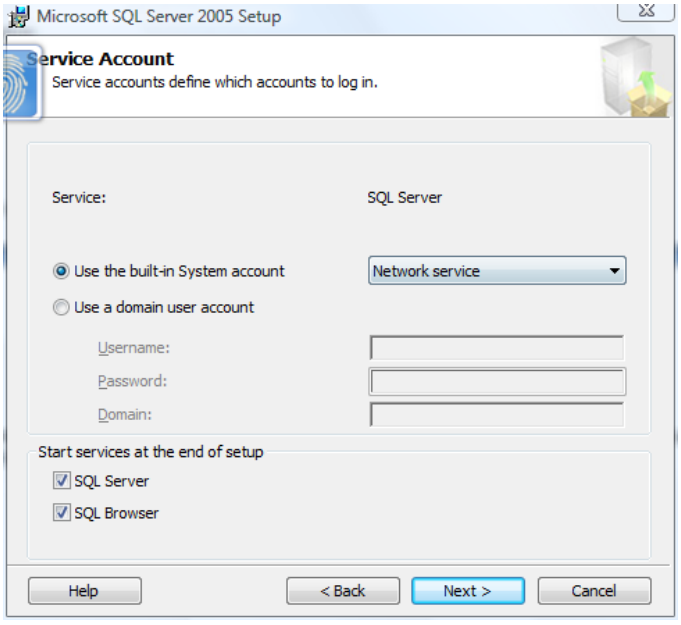
You should click the Named Instance and enter IDATTEND


Microsoft SQL Server 2005 Setup
Instance Name
You can install a default instance or you can specify a named instance.
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existing named instance select Named instance and specify the instance name.
Default instance
Named instance
IDATTEND
To view a list of existing instances and components click on Installed instances.
Installed instances
Help
< Back
Next >
Cancel

Click **Next** button.

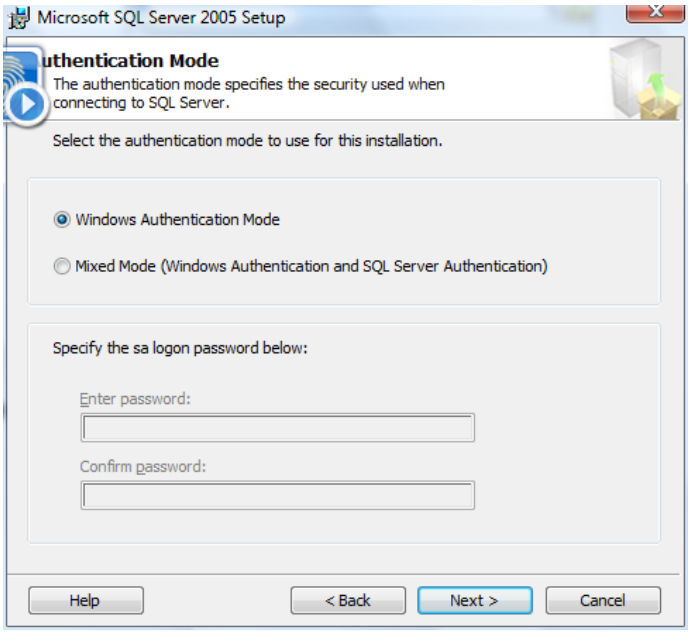
The next screen may show a list of existing components that are already installed. You would normally click the **Next** button.

The following screen will display the Service Account screen.
The defaults are normally OK.
Make sure the **Start services at the end of setup** section has both **SQL Server** & **SQL Brower** ticked.



Click the **Next** button

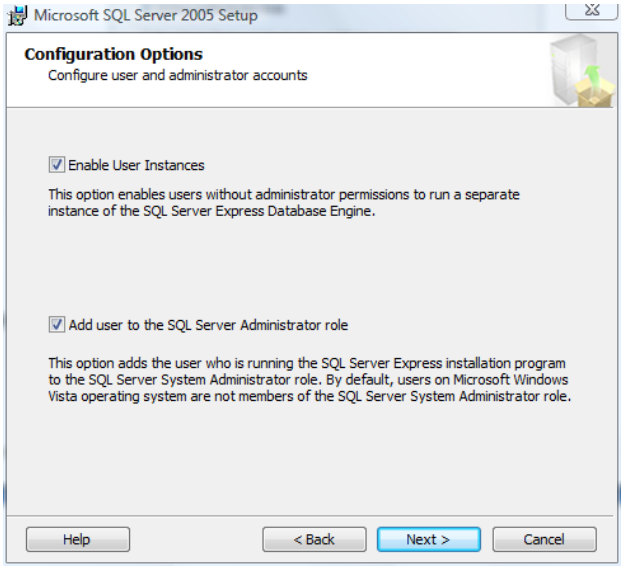
The **Authentication Mode** window will be displayed next.
The default of **Windows Authentication** should be left as is.


Microsoft SQL Server 2005 Setup
uthentication Mode
The authentication mode specifies the security used when connecting to SQL Server.
Select the authentication mode to use for this installation.
Windows Authentication Mode
Mixed Mode (Windows Authentication and SQL Server Authentication)
Specify the sa logon password below:
Enter password:
Confirm password:
Help
< Back
Next >
Cancel

Click the **Next** button

The Collation Settings screen is displayed next. The defaults are fine.
Click the **Next** button.

The **Configuration Options** screen is displayed next.


Microsoft SQL Server 2005 Setup
Configuration Options
Configure user and administrator accounts
Enable User Instances
This option enables users without administrator permissions to run a separate instance of the SQL Server Express Database Engine.
Add user to the SQL Server Administrator role
This option adds the user who is running the SQL Server Express installation program to the SQL Server System Administrator role. By default, users on Microsoft Windows Vista operating system are not members of the SQL Server System Administrator role.
Help
< Back
Next >
Cancel

The **Enable User Instances** option should be ticked. Depending on the version of SQL Server Express being installed and the OS used to install SQL Server you may get the **Add user to the SQL Server Administration role**. If shown you should enable this option.
Click the **Next** button.

The Error and Usage Report Settings screen is displayed next.
None of the options offered need be sected.
Click the **Next** button.

The **Ready To Install** screen will be displayed. Click the **Install** button.

SQL Server 2005 Express will now be installed.

Once the setup is complete Setup Progress screen will make the **Next** button available. Click **Next**.

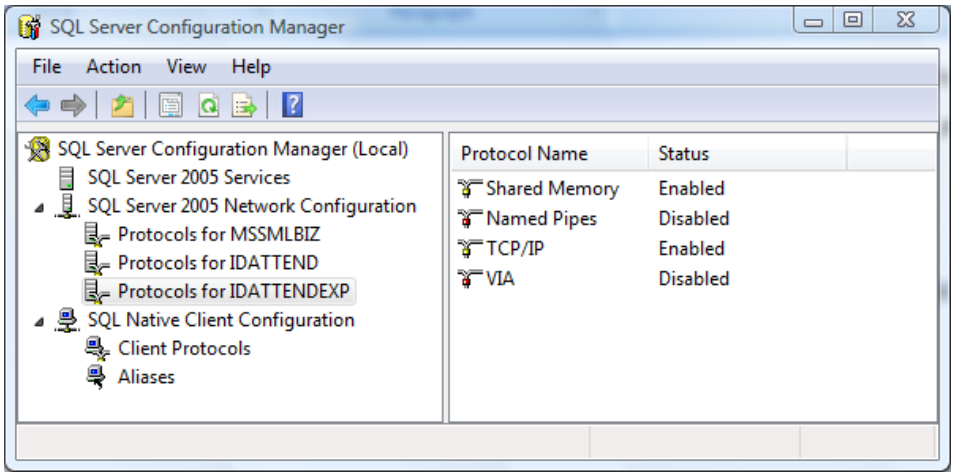
The **Completing SQL Server 2005 Setup** screen will now be displayed. Click the **Finish** button.

SQL Server is now installed on the server.

The server setup of SQL Server must be done next.

Go to Windows/Start/Programs/SQL Server 2005/Configuration Tools and select SQL Server Configuration Manager.

This screen will display all instances of SQL Server. You need to select the IDAttend Instance (as setup previously) if there is more than one displayed.



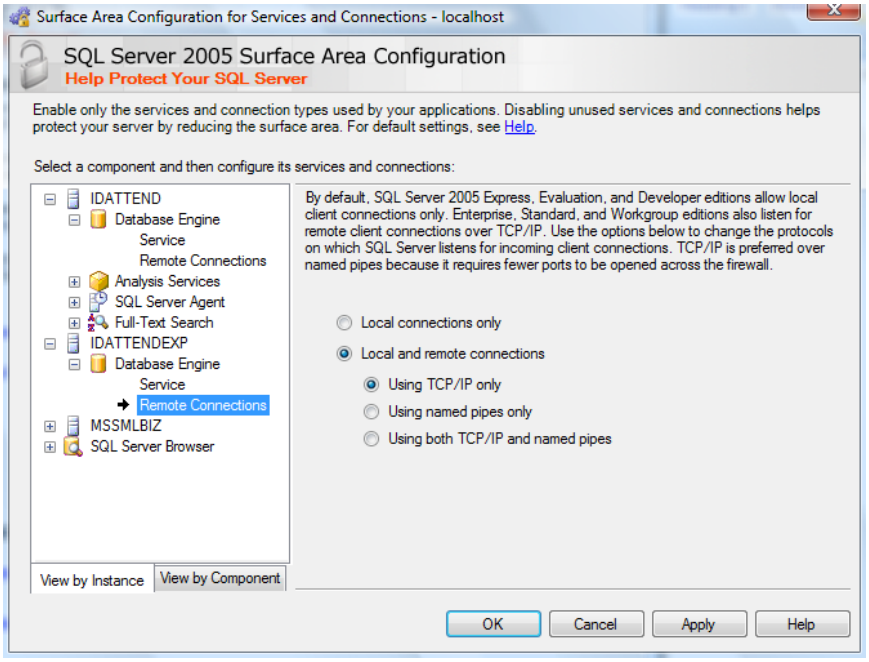
By default SQL Server Express does not install any remote connection protocols.
You must click on the TCP/IP option and enable it.
If your network has both a curriculum and admin network, and you have not opened a **TCP/IP** port on the router between the two networks, you need to also enable the **Named Pipes** option (Named Pipes is not required in QLD MOE schools).
You may get a warning that the SQL Server service needs to be restarted. Ignore this at this stage.

Close the Configuration Manager screen.

Next

Go to Windows/Start/Programs/SQL Server 2005/Configuration Tools and select SQL Server 2005 Surface Area Configuration.

Click on the Surface Area Configuration for Services and Connections option.


Surface Area Configuration for Services and Connections - localhost
SQL Server 2005 Surface Area Configuration
Help Protect Your SQL Server
Enable only the services and connection types used by your applications. Disabling unused services and connections helps protect your server by reducing the surface area. For default settings, see Help.
Select a component and then configure its services and connections:
IDATTEND
Database Engine
Service
Remote Connections
Analysis Services
SQL Server Agent
Full-Text Search
IDATTENDEXP
Database Engine
Service
Remote Connections
MSSMLBIZ
SQL Server Browser
By default, SQL Server 2005 Express, Evaluation, and Developer editions allow local client connections only. Enterprise, Standard, and Workgroup editions also listen for remote client connections over TCP/IP. Use the options below to change the protocols on which SQL Server listens for incoming client connections. TCP/IP is preferred over named pipes because it requires fewer ports to be opened across the firewall.
Local connections only
Local and remote connections
Using TCP/IP only
Using named pipes only
Using both TCP/IP and named pipes
View by Instance
View by Component
OK
Cancel
Apply
Help

Select the SQL Server Instance you have installed.
Click the **Remote Connections** section.

The following should be **enabled**.
Local and remote connections
Using TCP/IP only

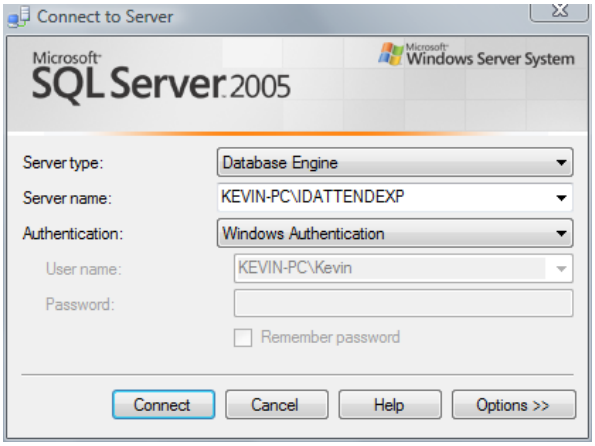
If using separate networks then you may need to enable the **name pipes only** option if the TCP/IP option does not enable IDAttend to make connection to the server.

Click the Apply button and then OK button.

SQL Server Management Studio must be installed.
Run SQLServer2005_SSMSEE.msi from the SQL SERVER 2005 EXPRESS folder on IDAttend CD or the IDAttend folder on the CD.
There are no install options for this install.

Once installed you need to do the following
Go to Windows/Start/Programs/SQL Server 2005 and select SQL Server 2005 Management Studio

A login screen will be displayed (this may take a minute or two).



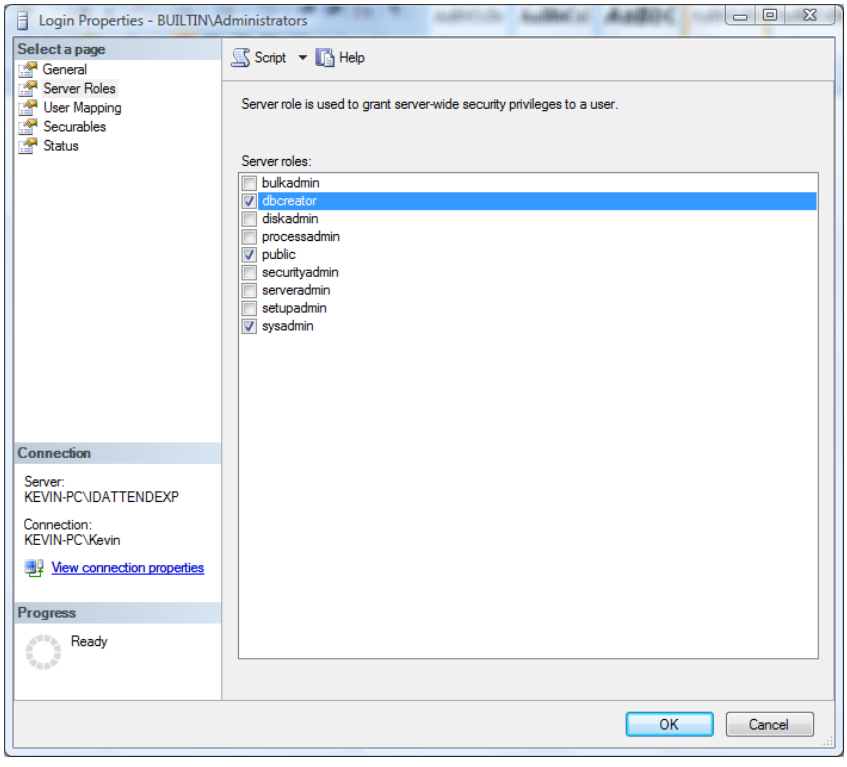
Normally the IDAttend Instance will be displayed for the Server Name.

Click **Connect**.

When the screen loads expand the + next to **Security**. Select **Logins**.
The following need to be done for all logins except NT AUTHORITY\SYSTEM and SA

Select the login
Right click and select properties.
When the screen displays select the **Server Rolls** option.
Ensure the following are ticked
dbcreator
sysadmin

If public is an option this will normally be ticked by default. Leave ticked.



Click **OK**.

Next select the **User Mapping** option.

The database Master must be ticked.
The following options in the database role membership section **must** be ticked.
db_datareader
db_datawriter
db_owner

Click **OK** button.

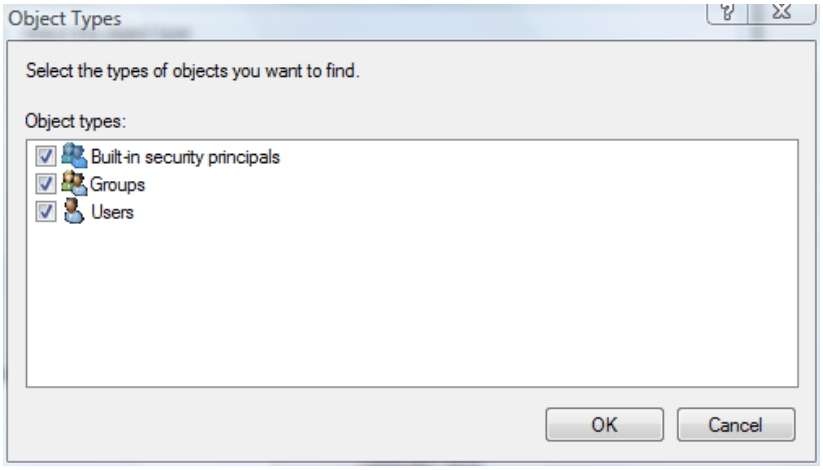
Repeat all steps above for
BUILTIN\Users
Any other logins listed except NT AUTHORITY\SYSTEM and SA

Queensland MOE schools need to add a new login after the above has been done.

Under the Logins option right click and select **New Login**

Click the **Search** button

Click the **Objects Type** button
Ensure **Groups** is ticked.

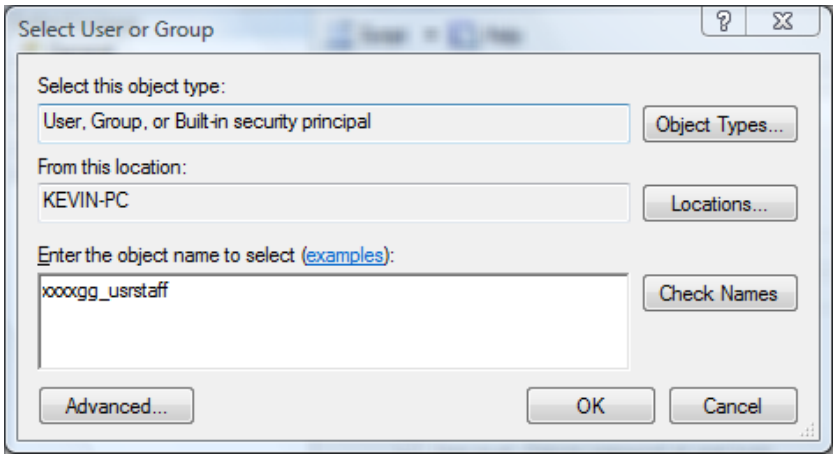


Click **OK**.

Click the **Locations** button
Ensure **Entire Network** is selected.

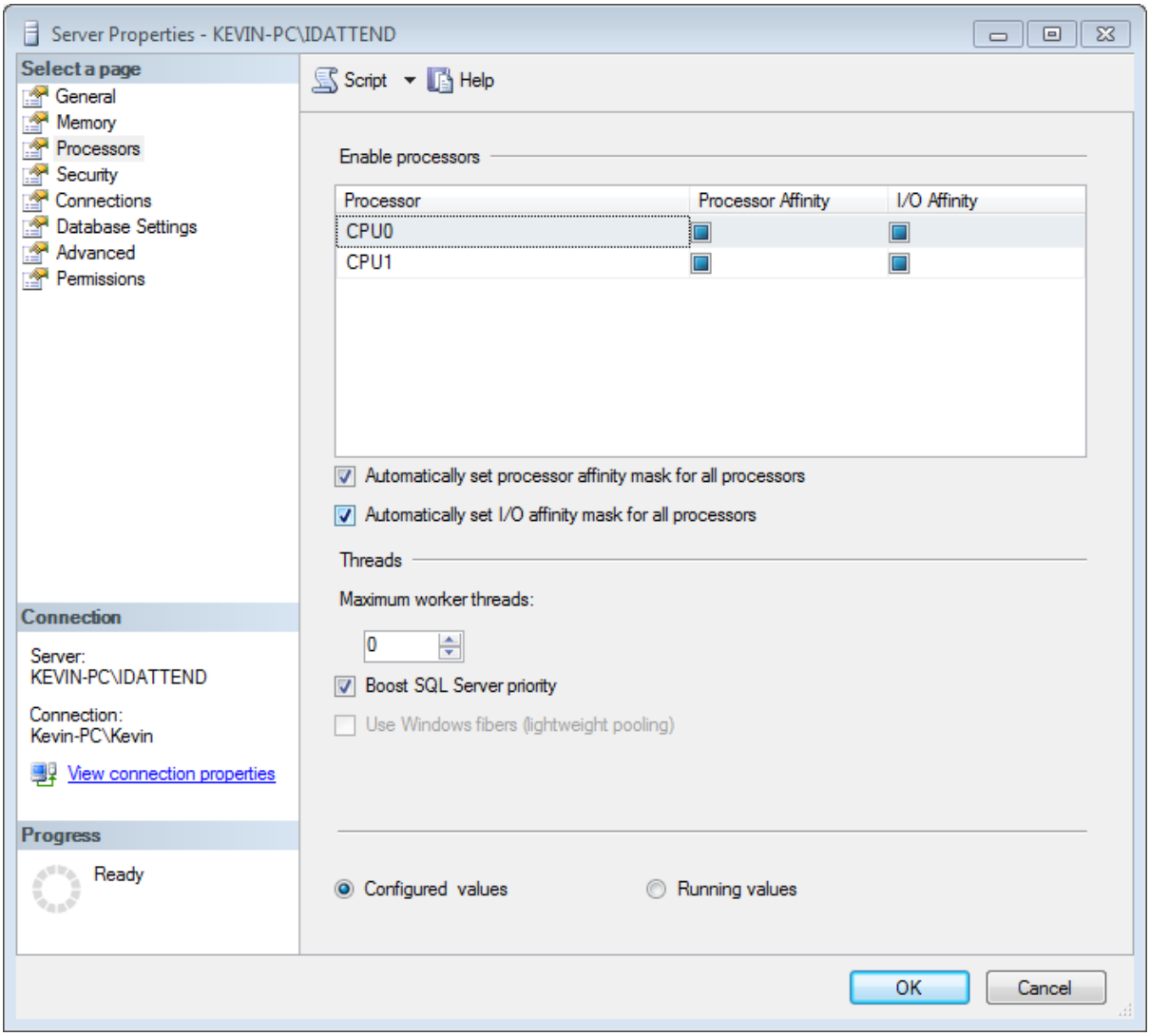
Click **OK**

Enter xxxxgg_usrstaff and click OK. (xxxx is the school number). Check Names may also be clicked.



The xxxxgg_usrstaff group should now have an IDAttend login in SQL Server.
Modify the Server Rolls and User Mapping as per the previous steps.
Click **OK**.

Right click on the SQL Server Instance in the Object Explorer (at the left of screen).
Select **Properties**
Click on Processors in Select A page section.
Tick **Boost SQL Server Priority** flag.
Click **OK**



Right click on the SQL Server Instance in the Object Explorer (at the left of screen).
Select **Register**
There is no need to make any changes to the defaults.
Click **Save** button.

Right click on the SQL Server Instance in the Object Explorer (at the left of screen).
Select **Restart**
Click **OK** on the confirmation screen.
This option is only restarting the SQL Server service not the server itself.

Close the **SQL Server management Studio** window.
SQL Server should now be setup for use with IDAttend.
Log into Windows with a normal Windows login on a workstation.

Attaching existing IDAttend database/s to the newly installed SQL Server backend.

If moving from one server to another then first Stop the SQL Server service on the old server.
Copy the two files IDAttendxxxx.mdf and IDAttendxxxx_log.ldf from the C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Data (should be that folder, if not do a search for them).
In IDAttend under Tools/Data Locations the existing location on the server of the current database is shown in blue.
Paste the files into the same folder on the new server.

In SQL Server Management Studio Express right click on the Databases tree and select Attach.
The IDAttendxxxx database should show up. Select it and Save.
Repeat for any other year's database not attached.

If the server name has changed you will need to change it in IDAttend.ini in the IDAttend\System folder.
[ServerDB]
Server=MYSERVER\IDATTEND

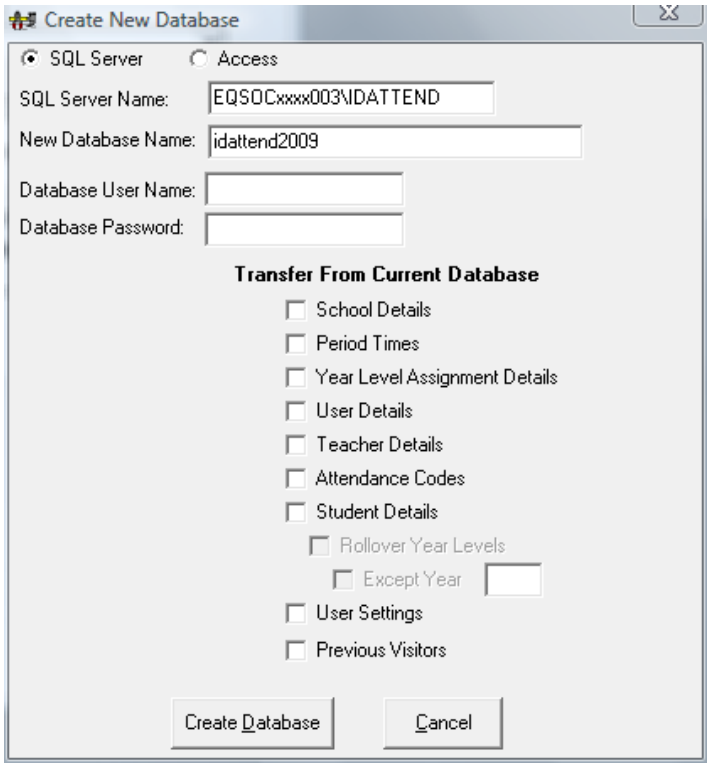
Note: If there are databases from previous years then also move those and attach them as above.

Setting up IDAttend to use SQL Server if not already done

Run IDAttend (assuming the IDAttend runtime has been installed). Log in with the user name/password of admin/mxx6re

Create a new database, if required, or log into the previously created IDAttend SQL database. If there are no errors and IDAttend loads normally the SQL Server setup is correct.

If creating
To create a new database in IDAttend go to Tools/Create New Database option.



Enter the <server name>\<SQL server instance name> in the **SQL Server Name** field
Enter the **Database Name** to be used for the new database (no spaces are allowed in this name). Refer above screen shot.
Unless SQL Server Authentication is required to log into the IDAttend database the Database User Name and Database Password fields should be left blank.

Click the **Create Database** button.

Next change the **Tools/Database Locations** to the SQL Server/Database just created and Click OK. Log into the new database using the Admin password and setup IDAttend as described in the System Setup section of the IDAttend User Manual.
Import the students and timetable as described in these sections.

If anyone has any issue or questions with the installation please call me

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